BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads, Drains and Covering Slabs at SMBG House at Chamundeshwari Layout in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.**

							Estimate Cost:		1500000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2014-16**	Cum							
	SMBG House Road 1st Cross		2	80.00	1.00	0.90	144.00		
	2nd Cross		1	60.00	0.90	0.90	48.60		
							192.60	83.16	**16017.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	SMBG House Road 1st Cross		2	80.00	1.00	0.15	24.00		
	2nd Cross		1	60.00	0.90	0.15	8.10		
							32.10	5070.60	**162766.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2015-16**	Cum							
	Bottom Concrete		2	80.00	0.90	0.15	21.60		
			1	60.00	0.90	0.15	8.10		
	Side Wall		4	80.00	0.15	0.60	28.80		
			2	60.00	0.15	0.60	10.80		
							69.30	6198.12	**429530.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							290392
	For Roof, Columns @ 90 Kg / Cum		0.06	69.30			**4.16**	69805.80	**290253.00**
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	**69805.80**							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2015-16**	Sqm							
	Side Wall		2x4	80.00		0.60	384.00		
			4	60.00		0.60	144.00		
							528.00	306.72	**161948.00**
	Basic Rate	284.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	22.72							
	Total	**306.72**							
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16**	Cum							
	SMBG House Road 1st Cross for Slop		2	80.00	0.30	0.15	7.20		
	2nd Cross		1	60.00	0.30	0.15	2.70		
							9.90	5490.72	**54358.00**
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 25 / Item No. 5.31.1/ PWD SR 2015-16**	Sqm							
	For Covering Slab		2	80.00		0.90	144.00		
			1	60.00		0.90	54.00	663.2	131314
		614					**198.00**	642.60	**127235.00**
	Basic Rate	595.00							
	Area Weightage @ 8%	47.60	49.12						
	Total	**642.60**	663.20						
8	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 24 / Item No. 5.22 / PWD SR 2015-16**	m							
			367	3.00			**1101.00**	35.64	**39240.00**
	Basic Rate	33.00							
	Area Weightage @ 8%	2.64							
	Total	**35.64**							
9	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 24 / Item No. 5.18 / PWD SR 2015-16**	Sqm							
			2	80.00		0.90	144.00		
			1	60.00		0.90	54.00		
							198.00	924.48	**183047.00**
	Basic Rate	856.00							
	Area Weightage @ 8%	68.48							
	Total	**924.48**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
10	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** (PWD SR Rates P No 139)	Cum							
			Qty Vide Item No. 1				**192.60**	106.34	**20480.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
11	Sub Total								1489092 **1484874.00**
12	For Third Part QC inspection Charges @ 1% of Estimate Cost								10908.00 **14849.00**
13	Miscellaneous and other Charges	L/S							277.00
								Total	**1500000.00**
	(Rs. Fifteen Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 This work included under 2015-16 POW Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
8/12/15

Administrative Approval
Accorded For 1500000/-
Head of A/C P-1771
CER NO :.....64..... **Dt:** 14.12.2015

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 1500000/-
Head of A/c. P-1771
Div. Ref. No. 247. Date. 14.12.15
AE EE(BTP) 15/12